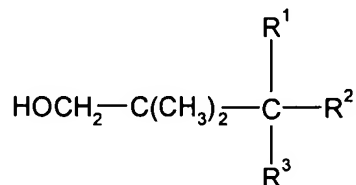


**Abstract**

The present invention relates to a process for the single-stage preparation of polyoxyalkylene glycols by copolymerization of THF and neopentyl glycol in the presence of a heteropolyacid, wherein the total amount of all impurities of the formula (I)



where  $\text{R}^1$  and  $\text{R}^2$  are each hydrogen when  $\text{R}^3$  is an oxyformyl or isopropionate radical,  $\text{R}^1$  is hydrogen and  $\text{R}^2$  is hydroxy when  $\text{R}^3$  is an isopropyl radical and  $\text{R}^1$  is hydrogen when  $\text{R}^2$  and  $\text{R}^3$  together form an  $\text{—OCH}_2\text{—C(CH}_3)_2\text{—CH}_2\text{—}$  radical,

in the neopentyl glycol is less than 1000 ppm.